

**JP 63166151**

**2/9/1**

DIALOG(R)File 347:JAPIO

(c) 2003 JPO & JAPIO. All rts. reserv.

02549251      \*\*Image available\*\*

**SILVER OXIDE-LITHIUM BATTERY**

PUB. NO.:        63-166151 [JP 63166151 A]

PUBLISHED:      July 09, 1988 (19880709)

INVENTOR(s):    KUWANA KOJI

                 OGINO MASAYUKI

APPLICANT(s):   YUASA BATTERY CO LTD [000668] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.:      61-314415 [JP 86314415]

FILED:          December 26, 1986 (19861226)

INTL CLASS:     [4] H01M-006/32

JAPIO CLASS:    42.9 (ELECTRONICS -- Other); 26.4 (TRANSPORTATION -- Aeronautical Navigation)

JOURNAL:        Section: E, Section No. 682, Vol. 12, No. 430, Pg. 64, November 14, 1988 (19881114)

**ABSTRACT**

PURPOSE: To prevent voltage drop or unstable phenomena during discharge by placing a member having a specified dimension between electrodes to retain their compression force.

CONSTITUTION: A plurality of layers each of which is formed with a positive electrode 1, a negative electrode 2, and a conductive film 3 are stacked in a container 12 to form a battery. Cylindrical plastic moldings 6 are embedded in plural through holes installed in the negative electrodes 2. The thickness of the molding is almost equal to the sum of the thickness of the negative electrode 2 and that of a separator 9, and the end of the molding is in contact with the film 3. Even if the negative electrode 2 is thinned by discharge, compression force between electrodes is retained constant by the molding 6 which is insulating material. By this simple method, troubles generating during discharge such as voltage drop and internal short circuit can be prevented.

?

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 63-166151

(43)Date of publication of application : 09.07.1988

(51)Int.Cl.

H01M 6/32

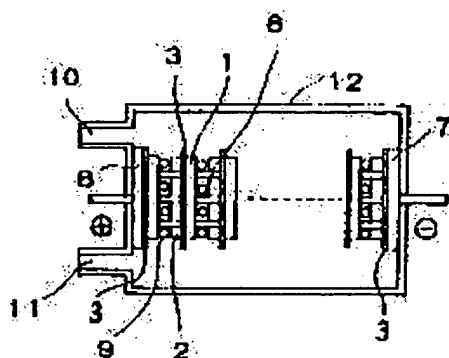
(21)Application number : 61-314415

(71)Applicant : YUASA BATTERY CO LTD

(22)Date of filing : 26.12.1986

(72)Inventor : KUWANA KOJI  
OGINO MASAYUKI

## (54) SILVER OXIDE-LITHIUM BATTERY



### (57)Abstract:

**PURPOSE:** To prevent voltage drop or unstable phenomena during discharge by placing a member having a specified dimension between electrodes to retain their compression force.

**CONSTITUTION:** A plurality of layers each of which is formed with a positive electrode 1, a negative electrode 2, and a conductive film 3 are stacked in a container 12 to form a battery. Cylindrical plastic moldings 6 are embedded in plural through holes installed in the negative electrodes 2. The thickness of the molding is almost equal to the sum of the thickness of the negative electrode 2 and that of a separator 9, and the end of the molding is in contact with the film 3. Even if the negative electrode 2 is thinned by discharge, compression force between electrodes is retained constant by the molding 6 which is insulating material. By this simple method, troubles generating during discharge such as

voltage drop and internal short circuit can be prevented.

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or

application converted registration]  
[Date of final disposal for application]  
[Patent number]  
[Date of registration]  
[Number of appeal against examiner's  
decision of rejection]  
[Date of requesting appeal against  
examiner's decision of rejection]  
[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office